

List of All Chemicals

P Cephalotaxus spp (Cephalotaxaceae)

Common name(s)

Generic Plum Yew

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
11-HYDROXYCEPHALOTAXINE	Plant	--	--		*
ACETYLCEPHALOTAXINE	Plant	--	--		*
CEPHALOMANNINE	Plant	--	--		*
Activities (3)					
Antileukemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antitumor	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Cytotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
CEPHALOTAXINE	Plant	--	--		*
Activities (1)					
Antileukemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
CEPHALOTAXINONE	Plant	--	--		*
DEOXYHARRINGTONINE	Plant	--	--		*
Activities (2)					
Antileukemic					
Antitumor	Martindale's 29th				
DESMETHYLCEPHALOTAXINONE	Plant	--	--		*
DRUPACINEHARRINGTONINE	Plant	--	--		*
HOMOERYTHRINA-ALKALOIDS	Plant	--	--		*
HOMOHARRINGTONINE	Plant	--	--		*
Activities (12)					
Anticarcinomic	0.25-1 ppm				
Antileukemic	1 ppm				
Antimalarial	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.				
Antimelanomic					
ED50=0.045 ug/ml	J. Ethnopharmacology, 32: 117.				
Antisarcomic					
ED50=2.15 ug/ml	J. Ethnopharmacology, 32: 117.				
Antitumor	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag, Stuttgart.				
Antitumor (Breast)	J. Ethnopharmacology, 32: 117.				
ED50=0.012 ug/ml					
Antitumor (Colon)	J. Ethnopharmacology, 32: 117.				
ED50=0.0076 ug/ml					
Antitumor (Lung)	J. Ethnopharmacology, 32: 117.				
ED50=0.019 ug/ml					
Hypotensive	Martindale's 29th				
MDR-Inhibitor	Qian, Q. J., Han, J. L., Yan, W. W., Yang, C. Z., Han, D. S., Shi, H., Hao, Y. 1996. A Comparative Study on the Mechanism of Homoharringtonine (HHI) and Melphalan (MEL) Resistance in K562/H20 and K562/MEL Cell Lines. Zhonghua Xueyexue ZaZhi, 17(7):354-356.				
Tachycardic	Martindale's 29th				
ISOHARRINGTONINE	Plant	--	--		*
Activities (2)					
Anticancer					
Antileukemic	Martindale's 29th				

